Telrad

Digital Radio-Telephone
User Manual

Digital Radio-Telephone
Model CET-10
220 Vac 50 Hz 1.6 Watts

USER MANUAL

Telrad

The CET-10 Telephone

DC Input Jack
Antenna Jack
Phone Number Tag
Speaker
Handset
Keypad

Display
Speed Dial Keys
Call Control Keys/Lamps
Function Keys

1 QZ	2 ABC	3 DEF	FEAT
4 GHI	5 JKL	6 MNO	PROG
7 PRS	8 TUV	9 WXY	SIGNAL
*	0	#	SPD
FLASH	▼	▲	REDIAL
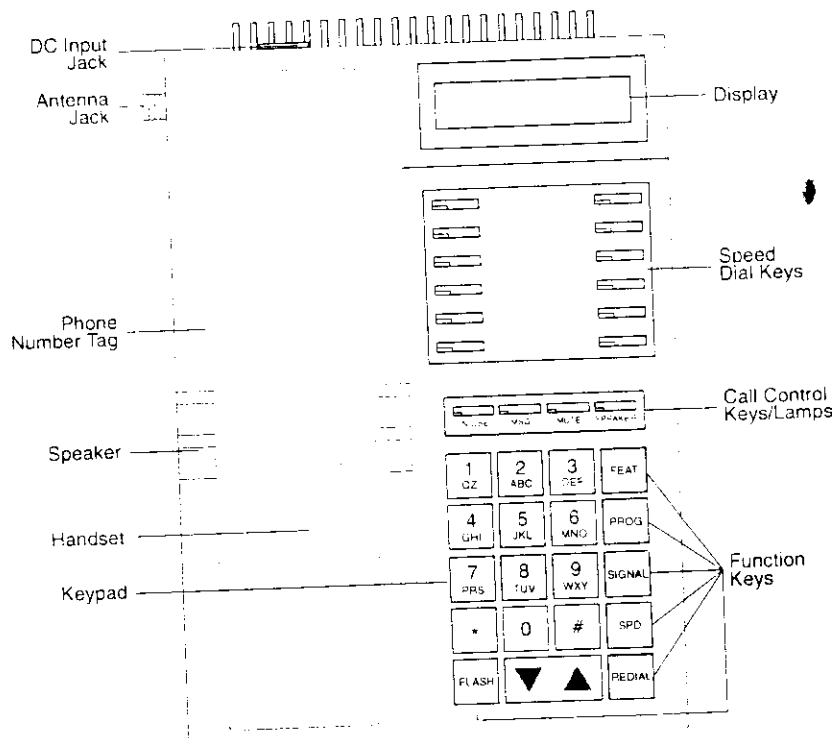
IMPORTANT NOTICE

The installation, operation and maintenance of your CET-10 Telephone is intended to be performed exactly as described within this User Manual and in compliance with standard safety procedures.

Contents

CET-10 Digital Radio-Telephone

Section 1
Installation

Introduction

Congratulations on your purchase of your *CET-10* Digital Radio Telephone. Your telephone provides you with complete national and international voice, facsimile and data services.

The telephone's features include:

- Hands-free speed dialing with 23 programmable memories;
- Redial of the last number;
- Call blocking;
- Mute mode;
- Additional Services: Call waiting, call conferencing, call forwarding and voice mail, provided you have ordered these services;
- Built-in speaker;
- User-settable display language (English or Spanish);
- Backup battery in case of power failure ;
- Battery and signal strength status indication;
- User-settable audio, ringer and data signal levels;
- Capacity for connection of up to three extension telephones;
- Operation with a fax or modem unit.

To install your *CET-10*, perform the procedures which are described in the remainder of this chapter:

- Checking the package contents;
- Choosing a location for your *CET-10*;
- Assembling your *CET-10*;
- Connecting your *CET-10* to power;
- Checking the signal strength
- Activating your *CET-10*

1

Checking the Package Contents

Check your package to make sure you have received all of the parts illustrated here for your *CET-10* Telephone.

Antenna

Telephone Base

Handset

Coiled Cord

This User Manual

Power Pack
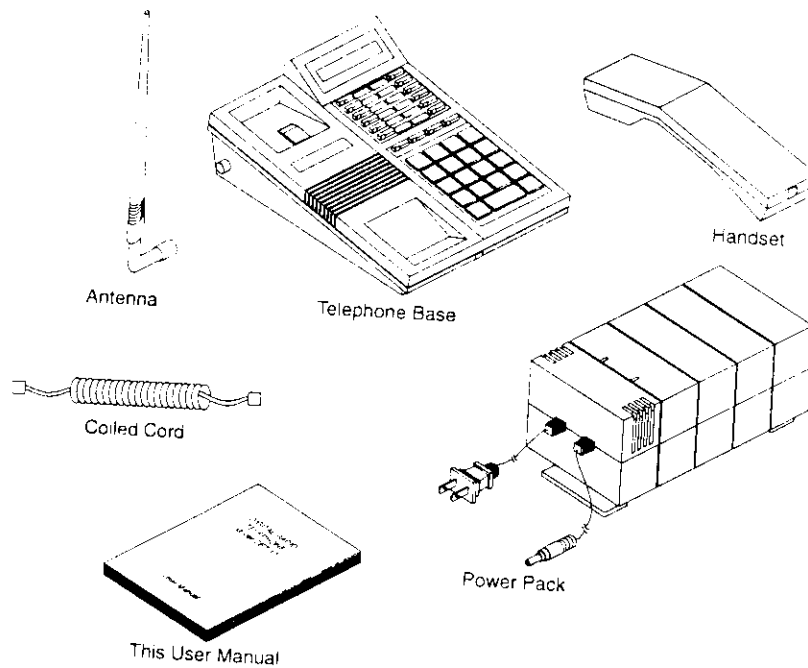
Choosing a Location for Your Telephone

In order to get the best reception, you should locate your *CET-10* Telephone near a **wall** of the building, and near a **window**.

2

Assembling Your *CET-10*

Insert the connector of the **Antenna** into the jack on the left side of the *CET-10* **Base** as shown here. Turn the nut clockwise until the antenna is firmly attached.
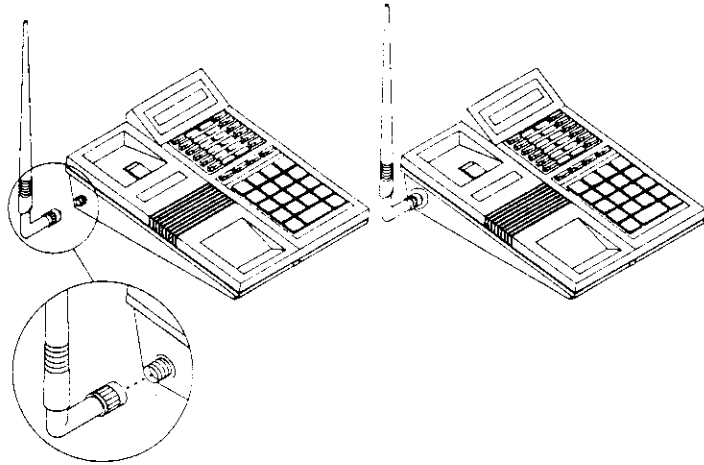
Insert one end of the **Coiled Cord** into the jack on the front of the *CET-10* **Base** until you hear a "click". Connect the other end to the **Handset** in a similar manner.

3
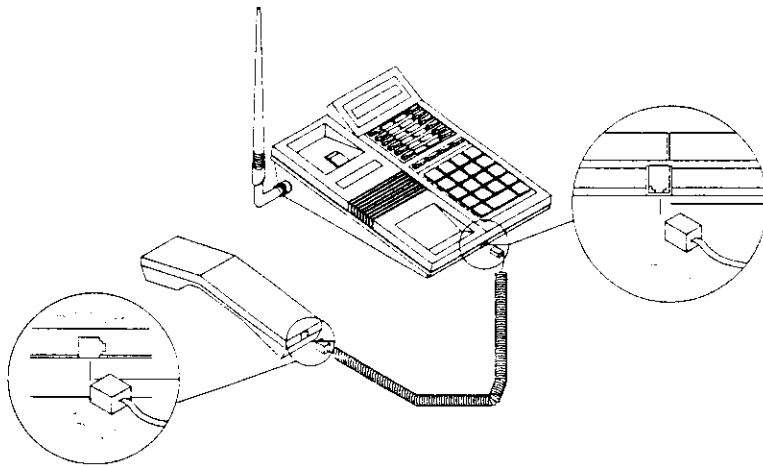
Connecting Your *CET-10* to Power

Connect the power supply cable to your **CET-10**, and then to
a power outlet as shown in the figure.

Power Pack   DC IN Jack
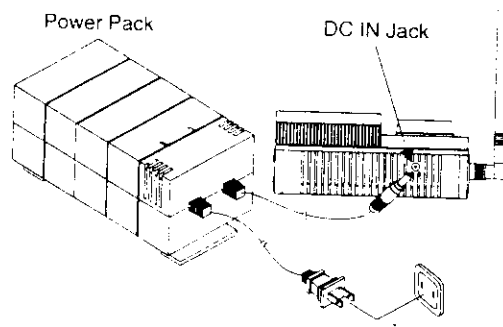
Make sure that the green LED on the power pack lights up,
and that the word "*READY*" appears on the display of your
CET-10.

Power Pack

Power On   Battery

4
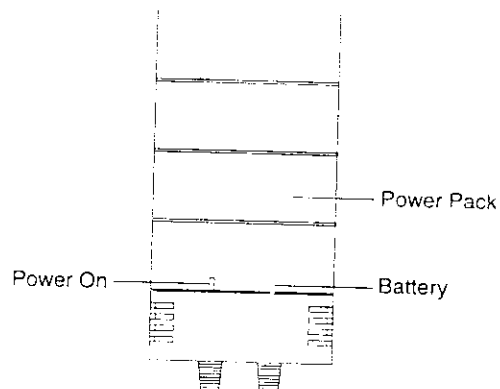
Signal Strength Indicator
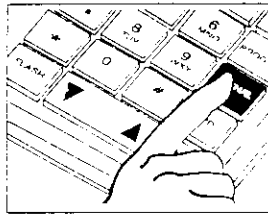
1
Press the **[SIGNAL]** function key.

The display shows the strength of the signal, from B (BAD) to G (GOOD). The number in brackets represents the signal strength numerically, from a minimum of 1 (BAD), to 7 (GOOD).
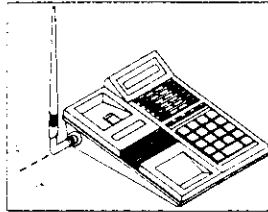
2
Position your *CET-10* so that you receive signal strength of 4 to 7.

You may have to rotate the antenna, or unplug and move the phone to a different location.

If after performing the above actions, the signal strength is still insufficient, contact the Service Center.

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Activating Your CET-10 for the First Time

To activate your *CET-10* for the first time, just follow these simple steps.
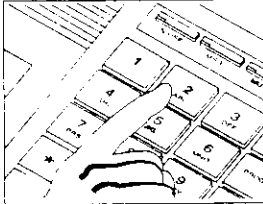
1 Contact the Customer Service Center.

For instructions on how to dial, see "Placing a voice call" on section 2, below.

2 A *Customer Service Center* representative will request some information, and assign you your new Telephone Number.
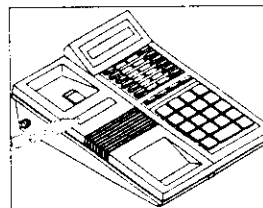
3 Write your Telephone Number down on the tag of the *CET-10* base, underneath the Handset.

(Use a paper clip to release the edge of the plastic cover on the tag)

Your *CET-10* is now ready for use.

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Extension Telephones

You may add up to three extension telephones and one fax or modem to your *CET-10*. To do this you need two-wire interconnection cable with RJ-11 plugs.

Connecting a Fax or Modem Unit

A single fax or modem unit can be connected to your *CET-10* by using a **two-wire interconnection cable only with RJ-11 plugs**. The maximum **cable length** permitted is 300 meters.

To connect a fax unit to the *CET-10* Telephone, plug the interconnection cable into the fax or modem jack on the bottom of the telephone as illustrated below.

Telephone
Extension
Connector

Fax/Modem
Connector

7
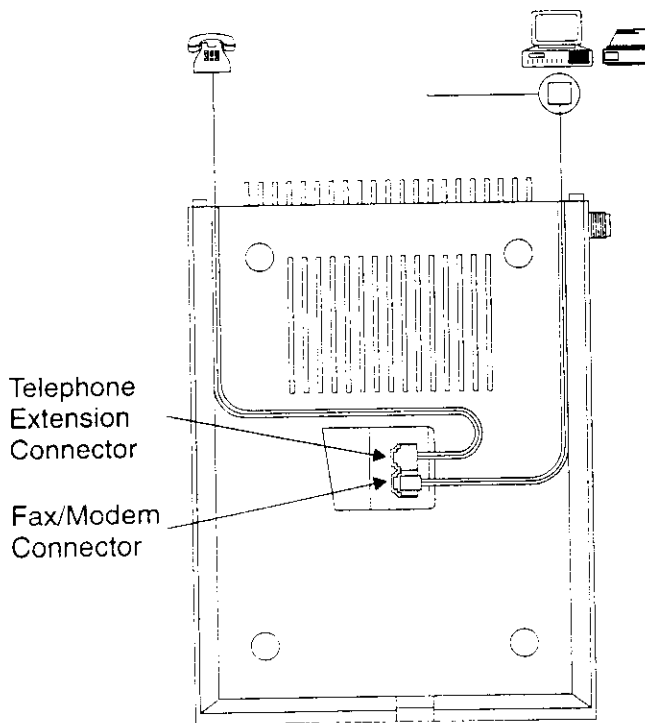
Section 2
Operation

Placing a Voice Call
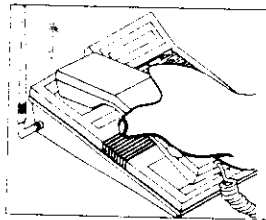
1   Lift the handset.

2   Listen for dial tone.

Dial the number.

The number you dial appears in the display.
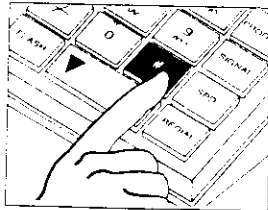
3   Press the [#] key to send the call.

The display shows: "DIALING".
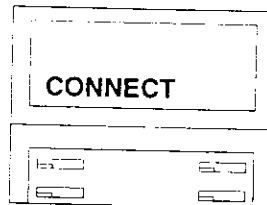
4   Talk when your party answers.

CONNECT

The display shows: "CONNECT".

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5
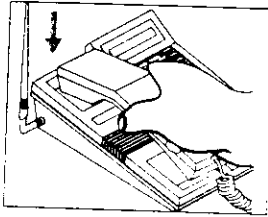
End the call by replacing the handset.

If you hear a fast busy tone when you try to send the call, it means that service from the Central Office is temporarily lost. Hang up and try again later. Remember that *"READY"* should appear on the display.

Speed Dialing

Dialing from the Speed Dial memories is hands-free; it is not necessary to lift the handset before the call is answered.

Up to 23 Speed Dial numbers can be dialed using the *CET-10* telephone. Of these, 13 allow one-touch dialing (Speed Dial Keys 1 to 12: the thirteenth is activated with the **[MSG]** key). The remaining 10 numbers are activated by pressing the **[SPD]** key and the appropriate dialpad digit. See the *CET-10* face-plate on page iv.

To use the user-programmable Speed Dial keys, you must first program them. See "Programming the Speed Dial Memories" for instructions.

Chaining Speed Dial Numbers

You can program portions of long telephone number strings into separate Speed Dial keys, and then press the keys in the appropriate order to dial the call. Be sure to terminate the sequence by [#].

For example, you could program a frequently dialed country code in Speed Dial Key **[1]** and a frequently dialed city code in Speed Dial Key **[2]**.

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To dial a number in that foreign city, you would press Speed Key [1], then Speed Key [2], and then dial the telephone number:

> S1 + S2 + Telephone Number + #

Where:

S1 = the Speed Dial key which stores the foreign country code; S2 = the Speed Dial key which stores the city code.

Redialing the Last Number
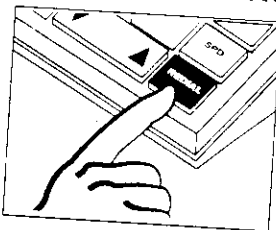
To redial the last number dialed, press **[REDIAL]**.

The number dialed appears in the display.

When your party answers, lift the handset to speak.

Answering a Call
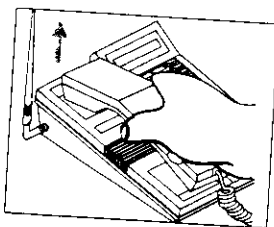
To answer a voice call, pick up the handset.

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Adjusting the Volume

You may adjust the volume of the speakers in the *CET-10* base and handset, and the volume of the ring, by using the [▼▲] key. Press the up arrow [▲] to increase the volume level; press the down arrow [▼] to decrease the volume level.

Muting the Microphone

You can mute the microphone on the handset so that the caller will not hear your discussions with people in your vicinity.

To mute the microphone, press the **[MUTE]** button. Press again when you want your caller to hear you.

Placing a Fax or Modem Call

To dial a fax or modem data call with your *CET-10*, you must precede the telephone number with three asterisks (•••) in order to identify it as a data call.

When dialing a fax or modem call, the display shows "*DIALING*". When the data call is connected, the display shows "*DATA CONNECT*".

Answering a Fax or Modem Call

If the call is coming into your fax or modem machine, you do not need to do anything on the *CET-10*. Refer to your fax or modem instructions for setting the machine to answer incoming calls.

NOTE

For more information contact your Service Center.

Additional Services

In order to use the following services, you should order them upon purchasing your *CET-10*. If you did not do so then, you can order these services by calling the Customer Service Center.

Message Center

When the **[MSG]** lamp is lit, this means you have voice messages in the Message Center.

To retrieve your messages, call the Voice Mail Message Center, using the number you were assigned when ordering this service. The Message Center will provide you with the instructions on how to retrieve your messages.

It is recommended to program the **[MSG]** key as the speed dial key for the Message Center.

Answering a waiting call

If a call comes while you are already speaking on your *CET-10*, you hear a beep. You may put your caller on hold without disconnecting the call, and answer the incoming waiting call. You may then return to your first caller.

To answer an incoming waiting call

1. Press the **[FLASH]** key to put your first call on hold.
2. Speak to the new caller.
3. Press the **[FLASH]** key again to return to the first caller.

Forwarding calls

You can have your incoming calls ring at another telephone.

When your telephone is set to call forwarding, you will be able to make calls from it. Incoming calls will ring at the telephone whose number you entered as the call forward number.

1. Lift the handset. Listen for dial tone.
2. Dial [★][7][2].
3. Dial the number at which you want your calls to ring.
4. Press [#]. Listen for confirmation tone.
5. Hang up.

To cancel call forwarding

1. Lift the handset. Listen for dial tone.
2. Dial [★][7][3].
3. Press [#]. Listen for confirmation tone.
4. Hang up.

Making a Three Party Conference Call

You may conduct a conference call, with three different people, including yourself, on the line.

To place a three-party call

1. Place a regular two-party voice call as explained in the first page of this section.
2. Ask the other person to wait, and press the [FLASH] key. Listen for dial tone.
3. Dial the telephone number of the third person with whom you want to speak.
4. Press [FLASH] to send the digits.
5. Press [FLASH] again;
   All three people will be on the line.

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Programming Your *CET-10*

You can program your *CET-10* Digital Radio Telephone in order to:

- Save numbers in the Speed Dial memories;
- Activate Call Blocking;
- Set the default ringer, audio and data signal levels;
- Set the display language. Your *CET-10* comes preprogrammed in English.

These programming procedures are described in the following sections.

Note that if you wish to abort programming before acknowledging or to exit quickly, you may do so by lifting the handset or by pressing the [SPKR] key.
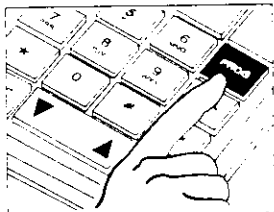
Programming the Speed Dial Memories

The *CET-10* Telephone has 12 Speed Dial keys. You may program numbers into the Speed Dial keys. You may also program the [MSG] key and Dial Pad keys 0 to 9. You may program up to 32 digits, including pound signs [#], in each Speed Dial memory.

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To program the Speed Dial Memories

1 Press the [PROG] function key.

The display shows: "1 SPD 2 BLOCK"

2. Press [1].

3. Press the Speed Dial key or Dial Pad key you want to program.

   If a number was previously stored in the memory, it appears in the display.

4. Enter the telephone number (up to 32 digits or pound signs - # -).

   If you have made a mistake or wish to abort programming, lift the handset or press [SPKR].

5. Press [PROG] to store the number.

6. Press [PROG] again to exit programming mode, or repeat steps 2 to 5 to program another number.

Note

If a number is too long to be displayed in its entirety, you can scroll the display using the volume up, volume down [▼▲] key.

Programming Call Blocking

Call blocking allows you to restrict people from making international or long distance calls on your telephone.

Call blocking is achieved by limiting the number of digits that may be entered in your telephone to place a call.

You may program your *CET-10* Telephone in order to:

- Activate or deactivate call blocking;
- Set call number length;

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- Change your call blocking password.

These call blocking programming procedures are explained in the next three sections.

Activating and Deactivating Call Blocking

To activate call blocking

1
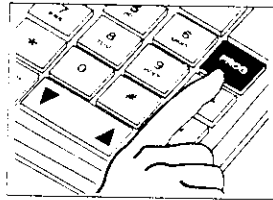
Press the **[PROG]** function key.

The display shows:
"1 SPD 2 BLOCK"

2
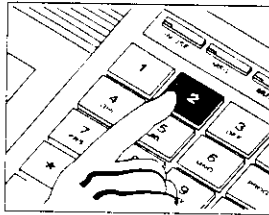
Press **[2]**.

The display shows:
"ENTER PASSWORD".

3. Enter the password (your **CET-10** is preprogrammed with the password 12345; you may modify it as described in "Changing your Call Blocking Password", below).

4. Press **[PROG]**.

   The display shows:
   "1 ON\OFF 2 MAX DIALING 3 USER PSW"

5. Press **[1]**.

   The display shows:
   "BLOCKING: 1 ON 2 OFF".

6. Press **[1]** to activate call blocking.

7. Press **[PROG]** three times to accept and exit.

To deactivate call blocking, follow steps 1 through 5 described above, but press **[2]** in step 6.

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Changing the Blocked Number Size

You can set and change the maximum number of digits that are permitted.

If you wish to prevent long distance calls from your *CET-10*, just follow the steps below.

### To change the blocked number size

1
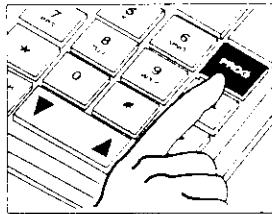
Press the **[PROG]** function key.

The display shows:
"1 SPD 2 BLOCK".

2

Press **[2]**.
The display shows:
"ENTER PASSWORD".

3. Enter your 5-digit password.

4. Press **[PROG]**.

   The display shows:
   "BLOCK: 1 ON\OFF 2 MAX DIALING 3 USER PSW"

5. Press **[2]**.

   The display shows 7, the default dial length.

6. Enter a new value, from 0 to 32 (0 means "all calls blocked").

7. Press **[PROG]** three times to accept and exit the programming mode.

Changing Your Call Blocking Password

Your telephone's default password is 12345. You may change this password to a new five-digit password of your choice.

To change the password

1   Press the **[PROG]** function key.
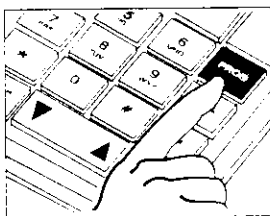
The display shows:
"1 SPD 2 BLOCK"
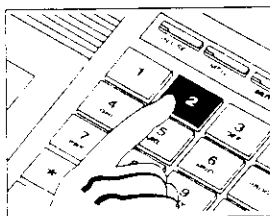
2   Press **[2]**.

The display shows:
"ENTER PASSWORD".

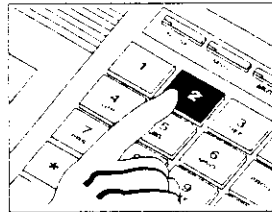3. Enter the default password, or a previous password you programmed.
4. Press **[PROG]**.

The display shows:
"BLOCK: 1 ON/OFF 2 MAX DIALING 3 USER PSW"

5. Press **[3]**.
6. Enter a new five-digit password.
7. Press **[PROG]** three times to accept and exit.

We recommend that you write down the password and keep it in a safe place. In case you forget or lose your password, contact your Customer Service Center.

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Adjusting the Default Ringer Level

To adjust the ringer level

1. Press [PROG].

   The display shows:
   "1 SPD 2 BLOCK 3 LEVEL 4 LANG 5 SYSPAR".

2. Press [3].

   The display shows:
   "LEVELS: 1 RING 2 AUDIO 3 DATA".

3. Press [1].

   The display shows the default ringer level of 4. The ringer
   level may be set from a low volume of 1 to a high volume
   of 7.

4. Enter a digit from 1 to 7 or press the volume up, volume
   down [▼▲] key to set the ringer to the desired level.

5. Press [PROG] three times to accept and exit programming
   mode.

Adjusting the Default Audio Level

To adjust the audio level

1. Press [PROG].

   The display shows:
   "1 SPD 2 BLOCK 3 LEVEL 4 LANG 5 SYSPAR".

2. Press [3].

   The display shows:
   "LEVELS: 1 RING 2 AUDIO 3 DATA".

3. Press [2].

   The display shows the default audio level of 4. The audio
   level may be set from a low level of 1 to a high level of 7.

4. Enter a digit from 1 to 7 or press the volume up, volume
   down [▼▲] key to set the audio to the desired level.

5. Press [PROG] three times to accept and exit programming
   mode.

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Adjusting the Default Data Level

To adjust the data level

1. Press [PROG].

   The display shows:
   "1 SPD 2 BLOCK 3 LEVEL 4 LANG 5 SYSPAR".

2. Press [3].

   The display shows:
   "LEVELS: 1 RING 2 AUDIO 3 DATA".

3. Press [3].

   The display shows the default signal level of 4. The signal
   level may be set from a low volume of 1 to a high volume
   of 7.

4. Enter a digit from 1 to 7 or press the [▼▲] key to set the
   data to the desired level.

5. Press [PROG] three times to accept and exit programming
   mode.

Setting the Display Language

You may choose whether you want the display to show
messages in Spanish or English. English is the default
language.

To set the display language

1. Press the [PROG] function key.

   The display shows:
   "1 SPD 2 BLOCK 3 LEVEL 4 LANG 5 SYSPAR"

2. Press [4].

   The display shows:
   "LANGUAGE 1 ENG 2 SPAN"

3. Press [1] or [2] to select the desired display language.

4. Press [PROG] three times to accept and exit programming
   mode.

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Checking the Battery Status

The backup battery, when fully charged, lasts approximately eight hours. When the telephone is working in battery mode, the letter "B" appears on the right hand side of the second line of the display. When the battery charge is low, the "B" starts flashing.

It is recommended that you check the backup battery status periodically.

To check the backup battery status

1. Press the **[FEAT]** key:
   The display indicates the function choices.

2. Press **[2]** for battery.
   The asterisk's position shows the relative amount of charge remaining in the battery, from "B" (BAD) to "G" (GOOD).

```
B _ _ _ * _ _ _ G
```

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Section 3
Maintenance

Cleaning Your Telephone

Clean the telephone base and handset periodically using only mild dishwashing detergent diluted in a large amount of water on a thoroughly wrung out towel. Reduce the risk of electric shock by unplugging the unit from the AC supply before cleaning.

Troubleshooting

The telephone does not work after installation

- Make sure that the power outlet is alive and that the power supply has not been interrupted.
- Check that the AC cord from the Power Pack is connected to the wall outlet.
- Check that the DC plug from the Power Pack is connected to the telephone.

The telephone display shows "*SELF TEST FAIL*"

"*SELF TEST FAIL*" indicates that your *CET-10* is faulty.

- Contact your Service Center.

The telephone display shows "*NO SERVICE*"

"*NO SERVICE*" indicates either that there is an antenna problem or that there is "No Line".

- Check that the antenna is positioned pointing upwards.

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Telephone features cease to respond

Turn off your *CET-10* by doing the following:

1. Press the [**FEAT**] key
2. Press [**6**] to reset.

    or

    - Disconnect the phone from the power supply, and then reconnect it.

If there is no response, contact your Customer Service Center.

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